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**(54)** Pharmaceutical composition comprising modified polyriboinosinic-polyribocytidylic acid, for induction of interferon in primates.

**(57)** A complex of polyriboinosinic-polyribocytidylic acid (poly I:C) with poly-L-lysine hydrobromide ([lysine.HBr]<sub>n</sub>) having a defined molecular weight is prepared which is about 5-15 times as resistant to hydrolysis by pancreatic ribonuclease as the parent poly I:C. A pharmaceutical solution, containing a relatively high concentration of the complex, prepared as described, induces significant antiviral levels of serum interferon in monkeys under conditions in which poly I:C itself induces little or no interferon. An important feature of this invention is that the product is a soluble material requiring no special solubilizing agent, thereby facilitating the preparation of solutions having the desired concentration. The product will hereinafter be designated as poly I:C/poly-L-lysine.



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# EUROPEAN SEARCH REPORT

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Application number

EP 80 40 1315

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>US - A - 3 679 654</u> (ROLAND MAES)</p> <p>* Claims 1,2,6,7; column 3, line 67 - column 4, line 5 *</p> <p>--</p> <p>CHEMICAL ABSTRACTS, vol. 64, no. 8, 11th April 1966, column 11466b Columbus, Ohio, U.S.A. M. TSUBOI et al.: "Interaction of poly-L-lysine and nucleic acids" &amp; J. MOL. BIOL. 15(1), 256-267, 1966</p> <p>* Abstract *</p> <p>--</p>	<p>1-6</p> <p>1-6</p>	<p>A 61 K 31/70 31/785</p>
A	<p>CHEMICAL ABSTRACTS, vol. 92, no. 13, 31st March 1980, page 57, no. 104368s Columbus, Ohio, U.S.A. I.A. BEKTEMIROV et al.: "Study of the properties of modified poly-I poly-C of different molecular weights" &amp; VOPR. VIRUSOL. 1979, (6), 671-674</p> <p>* Abstract *</p> <p>--</p>	1	<p>TECHNICAL FIELDS SEARCHED (Int. Cl.)</p> <p>A 61 K 31/70 31/785 45/02</p>
A	<p>CHEMICAL ABSTRACTS, vol. 73, no. 3, 20th July 1970, page 133, no. 12103f Columbus, Ohio, U.S.A. J.M. RICE et al.: "Enhancement by poly-D-lysine of polyinosinic acid induced interferon production in mice" &amp; APPL. MICROBIOL. 1970, 19(5), 867-869</p> <p>* Abstract *</p> <p>--</p>	1	<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p>
<p><input checked="" type="checkbox"/> The present search report has been drawn up for all claims</p>			<p>&amp;: member of the same patent family. γ: corresponding document</p>
Place of search	Date of completion of the search	Examiner	
The Hague	18-12-1981	RIJCKEBOSCH	





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A	<p><u>US - A - 4 024 222 (TS'O et al.)</u></p> <p>* Column 5, lines 49-54; column 8, line 46 - column 9, line 68; column 15, line 34 - column 17, line 35 *</p> <p>-----</p>	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )